

纤细头蕊兰——中国兰科一新种*

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Cephalanthera gracilis (Orchidaceae), A New Species from China

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During the visit of the senior author in 1995 to the herbarium of the National Museum of Natural History in Paris (P), a new saprophytic species of *Cephalanthera* was found related to *Cephalanthera calcarata* S. C. Chen & K. Y. Lang published in 1986. Due to lacking literature available at that time, it was not until recently that a description was given of it when the senior author paid one more visit to Paris in April 2001. The type specimen consists of four plants. They look similar in habit to *Cephalanthera calcarata* but more slender, with its rhizome covered with small scales in its upper part. It differs from *C. calcarata* also by having a broadly ovate and acute-acuminate tipped mid-lobe of lip, with five fleshy-thickened and papillose lamellae extending from the base of mid-lobe to nearly its apex, and a spur located more or less above the base of the disc (hypochile). In *C. calcarata* the mid-lobe is transversely elliptic or nearly oblate, obtuse at the apex, with much shorter fleshy-thickened lamellae, and the spur is at the base of the disc.

Cephalanthera gracilis S. C. Chen & G. Zhu, sp. nov. Fig. 1: 1-4

Species nova habitu *Cephalantherae calcaratae* S. C. Chen et K. Y. Lang similis, a qua differt planta gracili, rhizomate supero gracili squamuloso, lobo intermedio labelli late ovato acuto-acuminato lamellis 5 carnosio-incrassatis papillulatis e basi fere ad apicem decurrentibus ornato, disco supra basin calcarato.

Herba saprophytica, 9-12 cm longa; rhizoma superum gracile, squamulosum. Caulis gracilis. Racemus 4-8 cm longus, 3- vel 4-florus; bracteae lineares; flores suberecti, ca 1 cm longi; sepala lineari-vel oblongo-lanceolata, 10×2-3 cm; petala lanceolata, 8.5×2.5-3 mm; labellum ca 8 mm longum, e medio trilobatum, disco concavo supra basin calcarato, lobis lateralibus oblique triangulo-lanceolatis, lobo intermedio late ovato 5×5 mm apice acuto-acuminato lamellis 5 carnosio-incrassatis papillulatis e basi fere ad apicem decurrentibus ornato; calcar 1.5-3 mm lon-

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go; column ca 6 mm longa.

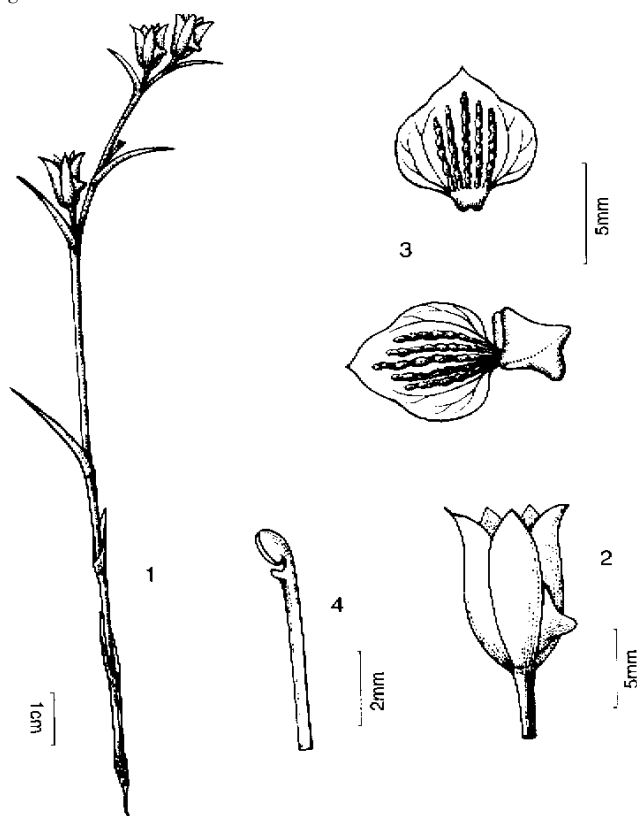


图 1 纤细头蕊兰 1. 植株; 2. 花; 3. 唇瓣; 4. 蕊柱。

Fig. 1 *Cephalanthera gracilia* S. C. Chen et G. Zhu 1. Plant; 2. Flower; 3. Lip; 4. Column. (蔡淑琴, 黄启华绘)

Yunnan (云南): Pin Tchoan (now Binchuan County, 宾川县), May 1911, F. Ducloux 7171 (holotype, P).

Plant slender, erect, glabrous, saprophytic, 9–21 cm tall. Rhizome terete, the upper part almost straight, slender, covered with small scales, the lower part and roots unknown. Stem terete, slender, with two or three sheaths below the middle; sheaths 8–15 mm long, tubular below, slightly spreading above; raceme 4–8 cm long, loosely 3- or 4-flowered; bracts linear, 12–15 × 2–3 mm, acuminate, the lowest one up to 5 mm wide; pedicel and ovary 1–1.8 cm long, glabrous; flowers suberect, ca 1 cm long, sepals linear-lanceolate or oblong-lanceolate, 10 × 2–3 mm, obtuse, 1-nerved, lateral ones slightly oblique; petals lanceolate, 8.5 × 2.5–3 mm, acuminate, 1-nerved; lip sessile, free, suberect, almost hidden in two lateral sepals, constricted near the middle to form three lobes; disc concave, spurred slightly above the base; lateral lobes obliquely triangular-lanceolate, slightly falcate, clasping the column in natural position; mid-lobe broadly ovate, 5 × 5 mm, acute-acuminate and papillulate-thickened at the apex, with five fleshy-thickened and papillulate lamellae extending from base to apex or nearly so; spur more or less cylindric, 1.5–3 mm long, ca 0.7 mm thick, obtuse at the end; column semi-terete, ca 6 mm long.

The species is only known from type collection.

This is the fifth saprophytic member of the genus *Cephalanthera*. The other four are : *C. austinae* (A , Gray) Heller from western North America , *C. exigua* Seidenf. from Laos , *C. pusilla* (Hook. f.) Seidenf. from Myanmar and *C. calcarata* S. C. Chen & K. Y. Lang from Yunnan of China. A key to the saprophytic species of *Cephalanthera* is provided as follows :

1. Lip spurred.
2. Mid-lobe of lip broadly ovate , acute-acuminate at apex , with five lamellae extending from base to nearly its apex ; spur located slightly above the base of the disc..... *C. gracilis* S. C. Chen & G. Zhu

2. Mid-lobe of lip transversely elliptic or nearly oblate , obtuse at apex , with five lamellae extending from base to the middle or slightly above the middle ; spur at the base of the disc... *C. calcarata* S. C. Chen & Lang
1. Lip saccate at base , without spur.
3. Raceme 3- to many-flowered ; upper bracts much shorter than the pedicel and ovary ; mid-lobe five-lamellate *C. austinae* (Hook. f.) Heller

3. Raceme 1- or 2-flowered ; upper bracts nearly as long as the pedicel and ovary ; mid-lobe without or with three lamellae.

4. Lip constricted near the middle to form three large lobes ; mid-lobe boat-shaped , densely papillose *C. exigua* Seidenf.

4. Lip trilobed near the apex ; lobes much smaller ; mid-lobe not boat-shaped , scarcely papillose *C. pusilla* (Hook. f.) Seidenf.
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